



THE URBAN DISTRICT OF KIRKHAM



ANNUAL HEALTH REPORT

FOR THE YEAR 1964

The Urban District of Kirkham

ANNUAL HEALTH REPORT

for the Year 1964

Medical Officer of Health:

C. ROBERTSON WILSON, M.B., Ch.B., D.P.H.(Edin.).

Deputy Medical Officer of Health:

E. A. R. BERKLEY, M.R.C.S., L.R.C.P.

Surveyor and Public Health Inspector:

R. B. HALL, M.R.S.H., M.A.P.H.I.

ANNUAL HEALTH REPORT

of the

MEDICAL OFFICER OF HEALTH

for the Year 1964

To the Chairman and Members of the
Kirkham Urban District Council

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present to you the Annual Report of the Medical Officer of Health for the year 1964.

The Birth Rate in the Urban District was a little up on that for 1963; the Death Rate also rose by a rather larger margin. The two infant deaths that occurred were in the first week of life. There were no deaths of women in childbirth.

Heart Disease was accountable for the largest number of deaths. Seven deaths were due to motor vehicle accidents - seven times the number attributable to other forms of accident. This only serves to accentuate in this district what the national press keeps stressing - that all round care must be exercised on our busy highways.

From the statistics of deaths one thing stands out. There were six deaths from carcinoma of the Lungs or Bronchi - three times more than the preceding year! Again the point must be driven home that heavy cigarette smokers are thirty times more prone to contract this terrible and killing disease than are non-smokers.

With the exception of Measles (145 cases) the incidence of notifiable infectious disease in the district was low.

As this will be the last introduction to an Annual Report that I shall write, may I express my thanks to all those on the Committee who, over the ten year period, have given me their support while serving as your Medical Officer of Health. Also the Council Clerks and my colleagues in the Health Department, Mr. Riddiough, Mr. Hall, Mr. Relph as Public Health Inspectors and Mr. Swift throughout my time as Clerk, for their never failing and cheerful co-operation.

Yours faithfully,

C. ROBERTSON WILSON,

Medical Officer of Health.

GENERAL STATISTICS

Area (in acres)	940
Home Population	6,020
(at the 1961 census the population was 4,811. The estimated mid-year home population in 1963 was 5,860).	
Number of inhabited houses at 31/12/63	1,763
Rateable value at 31/12/63	£167,081
Amount produced by a penny rate	£708

VITAL STATISTICS

Births - 110 live births (58 males and 52 females) were registered during the year. The birth rate of 19.4 per 1,000 compared with a rate of 18.2 per 1,000 in 1963. Illegitimate live births totalled 3.64 of total live births.

Stillbirths - There were two stillbirths during the year making a stillbirth rate of 17.9 per 1,000 total live and stillbirths compared with a rate of 10.2 in 1963.

The total number of live and stillbirths during the year was 112.

Deaths - 79 deaths (36 males and 43 females) were registered during the year. The death rate at 17.4 per 1,000 compared with a death rate of 13.2 per 1,000 in 1963.

Infantile Mortality - 2 deaths of infants under one year of age occurred compared with 2 in 1963.

The neo-natal mortality rate (deaths under 4 weeks per 1,000 total live births) was 18.2.

The early neo-natal mortality rate (deaths under 1 week per 1,000 total live births) was 18.2.

Maternal Mortality (including abortion) - Number of deaths Nil.
Rate per 1,000 total live and stillbirths was Nil.

CAUSES OF DEATH

The table below shows the causes of death of Urban District residents in 1964.

Cause of Death	M.	F.	T.
Malignant Neoplasm, Stomach	1	...	1
Malignant Neoplasm, Lung, Bronchus	4	...	6
Malignant Neoplasm, Uterus	-	...	2
Other Malignant & Lymphatic Neoplasms.....	2	...	3
Vascular Lesions of Nervous System	6	...	16
Coronary Disease, Angina	9	...	15
Other Heart Disease	3	...	9
Other Circulatory Disease	1	...	4
Pneumonia	1	...	4
Bronchitis	1	...	2
Other Diseases of Respiratory System	1	...	1
Other Defined and Ill-defined Diseases	5	...	7
Motor Vehicle Accidents	2	...	7
All other Accidents	-	...	1
Suicide	-	...	1
	36	43	79

The table below shows the comparisons between birth and death rates in England and Wales and this district for the past five years:

Year	England & Wales		Kirkham Urban District	
	Births	Deaths	Births	Deaths
1960	17.1	11.5	12.6	10.0
1961	17.4	12.0	14.7	12.9
1962	18.0	11.9	15.7	12.2
1963	18.2	12.2	18.2	13.2
1964	18.4	11.3	19.4	17.4

GENERAL PROVISIONS OF HEALTH SERVICES

Personnel:-

Medical Officer of Health:

C. ROBERTSON WILSON, M.B., Ch.B., D.P.H.(Edin.)

Other appointments held: Medical Officer of Health Boroughs of Lytham St. Annes and Fleetwood, Urban Districts of Poulton-le-Fylde, Preesall and Thornton Cleveleys, and Fylde Rural District, Divisional Medical Officer of Health, Health Division No. 3, Lancashire County Council.

Deputy Medical Officer of Health:

E. A. R. BERKLEY, M.R.C.S., L.R.C.P.

Public Health Inspector (To 20/12/1964): . . .

R. B. HALL, M.R.S.H., M.A.P.H.I.

Other appointments held: Surveyor, Building Inspector and Housing Manager with Kirkham U.D.C.

Hospital Facilities - For general cases the main hospitals used are the Preston Royal Infirmary of the Preston and Chorley Hospital Management Committee and the Blackpool Victoria, Wesham Park and Lytham St. Annes Hospitals of the Blackpool and Fylde Hospital Management Committee. Infectious diseases cases are admitted to the Devonshire Road Hospital, Blackpool, excepting in the cases of Tuberculosis and Smallpox. Main provision for cases of Tuberculosis is at Elswick Sanatorium. Accommodation for Smallpox is provided by the Manchester Regional Hospital Board at the Ainsworth Smallpox Hospital, near Bury.

Ambulance Facilities - The Ambulance Service is administered by the Lancashire County Council. The needs of the district are met by vehicles operating through the County's radio scheme.

Laboratory Facilities - Bacteriological examinations of specimens are carried out in the Public Health Laboratories attached to Preston Royal Infirmary.

Professional Nursing in the Home - General nursing cases and confinements are attended by District Nurses and Midwives of the Lancashire County Council.

Venereal Disease Service - Facilities for treatment of Venereal Disease are available at Blackpool Victoria Hospital and Preston Royal Infirmary.

School Medical and Maternity and Child Welfare Clinics - A County Council Clinic is located in Moor Street and sessions held at the time of preparation of this report, are as follows:

Monday, a.m. - Minor Ailments Clinic.

Monday, a.m. and p.m. - Dental Clinic.

Tuesday, a.m. - Speech Therapy.

Tuesday, p.m. - Audiometric (alternate Tuesdays).

Wednesday, a.m. and p.m. - Chiropody.

Wednesday, a.m. and p.m. - Dental Clinic.

Thursday, a.m. - Immunisations (third and fourth Thursdays in each month).

Thursday, a.m. - Minor Ailments.

Thursday, a.m. - Smallpox Vaccination (second Thursday in each month).

Thursday, p.m. - Child Welfare Clinic.

Friday, p.m. - Ante Natal (alternate Fridays).

Friday, a.m. and p.m. - Dental Clinic.

PREVALENCE OF AND CONTROL OVER
INFECTIOUS DISEASES

The following table shows the number of diseases other than tuberculosis notified during the year 1964.

Diseases	Total Cases Notified												
	Total Cases at all ages	Under 1 year	1-	2-	3-	4-	5-	10-	15-	25-	45-	65 and over	Age unknown
Scarlet Fever	3			1	1	1							
Whooping Cough	2								1	1			
Acute Poliomyelitis:- Paralytic.	1	1											
" Non-Paralytic.													
Measles (excluding Rubella) ...	145	8	11	18	19	18	69	1					1
Diphtheria													
Dysentery	3	1			1					1			
Meningococcal Infection...													
Ophthalmia Neonatorum	1	1											
Acute Pneumonia (Prim. and Infl.)	1											1	4
Smallpox													
Acute Encephalitis - Infective..													
" Post-Infectious													
Enteric or Typhoid Fever ...													
Paratyphoid Fevers													
Erysipelas													
Food Poisoning	2								1		1		
Puerperal Pyrexia... ..													
Other notifiable diseases ...													
TOTAL	158	10	12	19	21	19	69	1	2	2	1	1	1

TUBERCULOSIS

A tuberculosis service is provided in its various aspects by the Regional Hospital Board, the Lancashire County Council and District Councils. The Hospital Board is responsible mainly for treatment, the County Council for prevention, care and after care, and the Sanitary Authority also for prevention. A Tuberculosis Health Visitor is provided by the Lancashire County Council and the Hospital and Chest Clinic facilities by the Blackpool and Fylde Hospital Management Committee.

New Cases and Mortality during 1964

		- New Cases -				- Deaths -			
		Non				Non			
		Pulmon'y		Pulmon'y		Pulmon'y		Pulmon'y	
Age Periods		M	F	M	F	M	F	M	F
0 - 1	.....	-	-	-	-	-	-	-	-
1 - 5	.....	-	-	-	-	-	-	-	-
5 - 10	.....	-	-	-	-	-	-	-	-
10 - 15	.....	-	-	-	-	-	-	-	-
15 - 20	.....	-	-	-	-	-	-	-	-
20 - 25	.....	-	1	-	-	-	-	-	-
25 - 35	.....	-	-	-	-	-	-	-	-
35 - 45	.....	-	-	-	-	-	-	-	-
45 - 55	.....	-	-	-	-	-	-	-	-
55 - 65	.....	-	-	-	-	-	-	-	-
65 and upwards	.....	1	-	-	-	-	-	-	-
Totals	.....	1	1	0	0	0	0	0	0
		<u>2</u>		<u>0</u>		<u>0</u>		<u>0</u>	

In 1963 there was one new case notified, and no deaths reported from the disease.

To the Chairman and Members of the Health Committee,
Kirkham Urban District Council

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present to you my sixth annual report.

SANITARY CONDITIONS OF THE DISTRICT

The following are the number of closets, ashpits, dustbins, etc.

Water Closets	1,900
Waste Water Closets	1
Pail Closets	1
Privy Closets	0
Privy Ashpits	0
Dry Ashpits	0
Dustbins	2,500
Cesspools	0
Septic Tanks	15
Houses not connected directly to sewer	15
Houses on Water Carriage System	1,763
Percentage of Closets on Water Carriage System.	99.99
Percentage of Houses connected to General Sewage System	99.15

Sewers and Sewerage System - The sewerage, in conjunction with that from Wesham, runs into tanks at Newton and then into the River Ribble. The sewerage disposal works consists of two detritus tanks, six settling tanks and fourteen sludge beds. These were constructed in 1941.

The responsibility for the main sewer and sewerage works is held by the Kirkham and Wesham Joint Sewerage Committee.

Fifty-two new houses were connected to the sewerage system during the year.

Rivers and Streams - One main stream - Wrongway Brook - runs through the district, entering from the Fylde Rural District in a culvert under the railway and discharging into Carr Brook and finally into Dow Brook. This stream forms a portion of the Urban District boundary on the easterly side of the town, and provides most of the natural drainage for the district.

A second stream, commencing at the Bye-Pass end of Orders Lane, runs down Orders Lane, under Poulton Street and Mill Street in a brick culvert, and discharges into Carr Brook at the north-easterly corner of the Flax Mill land.

Water Supply - Water is supplied by the Fylde Water Board and is derived from upland surface sources at Grizedale and Higher Hodder. The water supply is of good quality and is adequate in quantity. All houses have supplies available from this source and all have piped supplies available within the house, none being supplied by stand pipes. No complaints were received concerning the water supply.

SANITARY INSPECTION OF THE DISTRICT

Summary of Complaints Received - 423 complaints were received during the year, of which many were from Council houses for repairs requiring attention. 709 visits were made to premises in connection with this work. 281 nuisances were discovered, of which 267 were abated, leaving 14 to carry forward to 1965. 245 informal notices were served during the year, whilst the number of statutory notices served after reports being made to the Committee was two. In the main, most complaints were dealt with after consultation with the landlord concerned. In spite of the high cost of maintenance and low rentals, property is reasonably well maintained. In most cases the tenants are reasonable and do most internal repairs themselves. Advantage is being taken to improve old property under the House Purchase and Housing Act 1959 and Housing Acts of 1961 and 1964.

DISINFESTATIONS

No houses were disinfested during 1964. The method of treatment would be by D.D.T. spray and/or D.D.T. or similar type of smoke generator. In the case of bugs a combination of the two methods - spraying first, followed by smoke generators - has proved most effective. Free issues of insect powder are available, and no charge is made for disinfestation in the area of private dwelling houses.

DISINFECTION AND INFECTIOUS DISEASES

Houses were visited for investigation in connection with infectious diseases, and instructions were given and disinfectant supplied to the householders for disinfection of premises. Six houses were disinfected. Library books were collected from houses where infectious diseases occurred and were disinfected before return to the Library.

SCHOOLS

The schools were inspected on occasion and were satisfactory apart from minor repairs. All are supplied with water by the Fylde Water Board and all have water closets connected to the sewer.

COMMON LODGING HOUSES, ETC.

There are no common lodging houses or offensive trades within the district.

TENTS, VANS AND SHEDS

There were two caravan sites licensed during 1963, for permanent residential use and it is estimated that some thirty caravans were permanently occupied by 70 residents.

CLEAN AIR ACT

The factories in this district were visited and consultations made with the boilermen in an attempt to improve the smoke nuisance. Few complaints were received and no observations were taken on chimneys. No legal actions were taken.

OTHER PUBLIC HEALTH MATTERS

During the year no further applications from persons to be registered as Dealers in Old Metals under Section 86 of the Public Health Acts Amendment Act, 1907, were received.

Certificates for means of escape in case of fire are now given by Lancashire County Council Fire Department.

HOUSE AND TRADE REFUSE COLLECTION AND DISPOSAL

The Council carried out all refuse collection and disposal. They have one fore and aft tipper type wagon engaged regularly on this work and the tractor is used for levelling the tip and collecting salvage.

Disposal is carried out at Carr Lane and Coronation Road tips. The soil is first removed by dragline and then replaced on top as the tips proceed. Some two acres of reclaimed land are let to a farmer and several successful crops have been grown. The old destructor was retained in use for burning unsound meat, unsalvageable paper and factory wastes.

The number of men engaged on the work is as follows:-

5 Ashbinmen	}	Full-time
1 Salvage Baler		
1 Driver		
2 Salvage Collectors	}	Part-time
1 Tractor Driver		

Additional labour has been engaged from time to time on salvage collection and baling.

The amount of refuse continues to increase, especially as the number of houses now heated by central heating reduces the amount burnt on open coal fires. Towards the latter part of the year it was found impossible to maintain a weekly collection, especially so as staff was reduced due to illness and normal wastage. A review of the refuse system would now appear to be necessary if we are to return to normal weekly collections - this will inevitably lead to higher costs which should not be resisted since the need arises due to more and more houses with consequent increase in rateable value.

The bonus scheme for the men continued. All waste paper was sent to Thames Board Mills Ltd., under contract. Loose tins continued to be baled and one load was sold during the year.

The total income during the year from the sale of salvage was £626.

The tonnage salvaged was as follows:-

	Tons	Cwts.	Qtrs.	Lbs.
Waste Paper (all grades)	69	.... 3	.... 3	.... 6
Rags	4	.... 5	.... 3	.... 0
Cast Iron, Scrap Metal, etc.	6	.... 2	.... 0	.... 0
	<u>79</u>	<u>11</u>	<u>2</u>	<u>6</u>

FOOD AND DRUGS ADMINISTRATION

Visits were made to premises where foodstuffs were handled or sold.

The number of visits made to food premises during the year, including the slaughterhouse, was 209.

Some minor improvements have been made to food premises, most of which were carried out as a result of informal action. This work is proceeding. Follow-up visits have been made.

The following items of food were inspected, found unfit and surrendered by shopkeepers for destruction.

12 lbs. Corned Beef; 1 lb. Pork Shoulder; 2 stones Cured Fillets.

One slaughterhouse is in operation in the district, and though of a good standard, work is continually necessary to maintain the conditions required by modern legislation.

Carcases inspected and condemned were as follows:-

	Cattle excluding Cows	Cows	Calves	Sheep and Lambs	Pigs
Number killed	274	-	-	894	408
Number inspected	274	-	-	894	408
All diseases except Tuberculosis and Cysticerci:					
Whole carcasses condemned	-	-	-	-	-
Carcasses of which some part or organ was condemned	72	-	-	-	-
Percentage of the number inspected affected with disease other than Tuberculosis and Cysticerci	26.28%	-	-	-	-
Tuberculosis only:					
Whole carcasses condemned	-	-	-	-	-
Carcasses of which some part or organ was condemned	-	-	-	-	-
Percentage of number inspected affected with Tuberculosis	-	-	-	-	-
Cysticercosis:					
Carcasses of which some part or organ was condemned	-	-	-	-	-
Carcasses submitted to treatment by refrigeration	-	-	-	-	-
Generalised and totally condemned	-	-	-	-	-

Milk Supply and Distribution - There is one large dairy and pasteurising plant in the town supplying milk to surrounding districts. The supervision of this plant is done by the Lancashire County Council. The number of registered distributors is as follows:-

Dairies in the district 8

Shops in the district other than dairies 5

No complaints were received in regard to the milk supply. Only "specially designated" milk (that is, pasteurised, sterilised or Tuberculin tested milk) can now be sold in Kirkham under the provisions of The Milk (Special Designations) (Specified Areas) (No.2) Order, 1955, which came into force on the 6th December, 1955. There were no positive samples of Brucella Abortus during the year.

Ice Cream - There was one registration for the manufacture of ice cream. The premises have been inspected and always found to be well run and maintained. Thirty dealers are registered for the sale and storage of ice cream. The general standard of vehicles and equipment is high. No complaints were received in regard to ice cream.

Made-up Foods, Potted Meats, etc. - Four premises are registered to manufacture made-up meat products. A good standard of cleanliness was maintained.

Food sampling by the County Council - A total of 41 samples was obtained, consisting of 34 samples of milk and 7 others comprising:-

1 Double Cream	2 Fresh Fruit
1 Sugar	1 Ice-cream
1 Vinegar	1 Dripping

The following are details of those samples upon which the County Analyst gave adverse reports:-

<u>Type of Sample</u>	<u>Result of Analysis</u>	<u>Action Taken</u>
1 Informal Milk	Contained 0.01 international unit penicillin per ml.	Dairy Informed
1 Informal Milk	Freezing point indicated presence of 9.4% extraneous water.	Formal sample taken

There are no registrations of egg pasteurisation plants under the Liquid Egg (Pasteurisation) Regulations, 1963.

FACTORIES ACT, 1961

(1) INSPECTIONS FOR PURPOSES OF PROVISIONS AS TO HEALTH INCLUDING INSPECTIONS MADE BY PUBLIC HEALTH INSPECTOR

Premises	Number on Register	Number of		
		Inspections	Written Notices	Occupiers Prosecuted
(i) Factories in which Sections 1,2,3,4 and 6 are to be enforced by Local Authorities	-	-	-	-
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	39	12	-	-
(iii) Other premises in which Section 7 is enforced by the Local Authority (excluding outworkers' premises)	-	-	-	-
Total	39	12	-	-

(2) DEFECTS FOUND

PARTICULARS	Number of Defects		Number of Defects in which	
	Found	Referred by H.M. Inspector	Prosecutions were Instituted	
(1)	(2)	(3)	(4)	(5)
Want of Cleanliness (S.1)	-	-	-	-
Overcrowding (S.2)	-	-	-	-
Unreasonable temperature (S.3)....	-	-	-	-
Inadequate Ventilation (S.4)	-	-	-	-
Ineffective drainage of floors (S.6)	-	-	-	-
Sanitary conveniences (S.7):-				
Insufficient	-	-	-	-
Unsuitable or defective	-	-	-	-
Not separate for sexes	-	-	-	-
Other Offences	-	-	-	-
Total	-	-	-	-

RAG-FLOCK AND OTHER FILLING MATERIALS ACT, 1951

Three premises are registered under the above Act. No samples were taken. The amount of this material used is very small.

SHOPS AND OFFICES

Three visits were made in connection with the Shops Act.

RODENT CONTROL

Thirty-four properties infested with rats and mice were treated during the year by the Rodent Operator. This man has had Ministry training in modern methods and has had much success. The standard Ministry methods are used. The sewers were baited and 9 takes were recorded.

PETROLEUM ACTS

Sixteen premises are licensed to store petroleum and one to store cellulose. In every case the petroleum is stored in underground tanks. The total storage capacity is 35,600 gallons. No notices were served under these Acts and there was one new registration.

HOUSING

Number of houses on Rate Books	1,763
Number of new houses erected during the year:	
(a) By the Local Authority	0
(b) By other bodies or persons	52
Number of houses demolished during the year	0
Number of houses closed during the year	1
Number of persons displaced	3
Number of discretionary grant applications received during the year	2
Number of houses in which improvement works were completed during the year	1
Number of standard grant applications received during the year	25
Number of houses at which standard grant works were completed during the year	22

Housing Conditions - The general housing conditions are fair, most houses being small to medium size two and three bedroom types. There is quite a proportion of older property in the district suitable for improvement and it is felt that even more advantage could be taken of improvement grants to bring property up to a reasonable standard.

There is no real shortage of houses in the district although house values have tended to remain fairly high thus restricting the numbers available for persons of limited means. However, the Council waiting list could be cleared if 30-40 two and three bedrooomed houses were available on rental.

Twelve bungalows intended for occupation by old persons were under construction at the end of the year and further land owned by the Council has been earmarked for the erection of houses at some time in the future.

Unless more land is available for housing development, building will soon grind to a halt and all available land will have been developed. Consequently the Council are making strong efforts to obtain planning consent on more land.

The Council have continued to stand as guarantors for persons buying properties through Building Societies, and during the year resumed the making of advances to prospective buyers seeking to obtain their own homes.

GENERAL

The Department is also responsible for the maintenance and cleansing of highways, supervision of new buildings, street lighting, parks, baths and recreation grounds. The Department will endeavour to proceed with the making-up of all unmade streets as soon as the Council authorise same.

A growing problem in the Department is that of Housing Management, there being a total of almost 300 houses to be managed. As the houses become older the repairs must increase and inspections, orders, accounts, etc., for these houses are responsible for occupying an ever increasing amount of my staff's time.

STAFF

My thanks are expressed for the efficient service rendered by Mr. N. Swift, the Clerk of the Department, and to other members of the Staff, the Foreman and all Workmen go my thanks for their excellent and willing co-operation.

I remain,

Your obedient servant,

R. B. HALL.

THE UNIVERSITY OF CHICAGO
DIVISION OF THE PHYSICAL SCIENCES
DEPARTMENT OF CHEMISTRY
CHICAGO, ILLINOIS 60637

TO THE EDITOR:
I am writing to inform you of the results of our recent experiments on the reaction of [unclear] with [unclear]. The reaction proceeds via a [unclear] mechanism, as evidenced by the [unclear] data.

Our results show that the reaction is first order in [unclear] and second order in [unclear]. The rate constant, k , is [unclear] at [unclear] °C. The activation energy, E_a , is [unclear] kJ/mol.

The reaction is inhibited by the presence of [unclear]. The inhibition constant, K_i , is [unclear]. The proposed mechanism for the reaction is as follows:

1. [unclear] + [unclear] → [unclear] + [unclear]
2. [unclear] + [unclear] → [unclear] + [unclear]
3. [unclear] + [unclear] → [unclear] + [unclear]

The rate-determining step is the first step. The overall reaction is exothermic, with $\Delta H^\circ = -[unclear]$ kJ/mol. The reaction is reversible, with $K_{eq} = [unclear]$ at [unclear] °C.

We thank you for your interest in our work. Please feel free to contact me if you have any questions or would like to discuss our results in more detail.

Sincerely,
[unclear]
[unclear]

Enclosed are [unclear] copies of our manuscript and [unclear] copies of the [unclear] report.

